

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	525	silica and (\$9porous insulating dielectric) adj5 (film layer) and (surface adj2 agent surfactant CTAB) and (alkoxysilane tetra\$15oxysilane TEOS TMOS PTES \$5propyl\$15oxysilane \$5butyl\$15oxysilane \$15trimethoxysilane \$15triethoxysilane \$15tripropoxysilane siloxane) and (\$5octyl\$15oxysilane \$5cetyl\$15oxysilane \$5lauryl\$15oxysilane \$5stearyl\$15oxysilane \$7decyl\$15oxysilane \$5hexyl\$15oxysilane \$5heptyl\$16oxysilane alkyltrimethoxysilane OTES TFTS organoalkoxysilane organosiloxane polyorganosiloxane)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/05 15:51
S2	149	S1 and semiconductor adj device and (interlayer (insulating dielectric) adj2 (film layer))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/05 15:54
S3	165	S1 and (imine adj sulfonate onium adj salt diazomethane sulfonate triazine oxycarbonyl)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/05 15:55
S4	29	S1 and surfactant near5 templat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/05 15:55
S5	108	S1 and (428/312.6,304.4,312.2,312.6,391,312.6,447.ccls. 438/447,780,781,790.ccls. 516/100,111.ccls. 502/407,104, 107.ccls. 501/12.ccls. 423/335,338.ccls. 257/E21.27.ccls. 427/397.7.ccls. 106/287.1-287.16.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/05 15:59
S6	35	(surface adj2 (agent active) surfactant) and (tetra\$3lkoxysilane \$15tetra\$10oxysilane tetra\$2alkoxysilane siloxane) and (trialkoxysilane \$15ltri\$9oxysilane) and (solution dispersion coating film layer silane)	EPO; JPO; DERWENT	OR	ON	2006/04/05 15:59
S7	13	silica and (\$9porous insulating dielectric) adj5 (film layer).clm. and surfactant.clm. and (alkoxysilane tetra\$15oxysilane TEOS TMOS \$5propyl\$15oxysilane \$5butyl\$15oxysilane \$15trimethoxysilane \$15triethoxysilane \$15tripropoxysilane). clm. and (\$5octyl\$15oxysilane \$5cetyl\$15oxysilane \$5lauryl\$15oxysilane \$5stearyl\$15oxysilane \$7decyl\$15oxysilane \$5hexyl\$15oxysilane \$5heptyl\$16oxysilane alkyltrimethoxysilane OTES TFTS organoalkoxysilane alkoxysilane).clm.	US-PGPUB; USPAT	OR	ON	2006/04/05 15:59
S8	4	(\$9porous insulating dielectric) adj5 (film layer).clm. and surfactant.clm. and (alkoxysilane tetra\$15oxysilane TEOS TMOS \$5propyl\$15oxysilane \$5butyl\$15oxysilane \$15trimethoxysilane \$15triethoxysilane \$15tripropoxysilane). clm. and (\$5octyl\$15oxysilane \$5cetyl\$15oxysilane \$5lauryl\$15oxysilane \$5stearyl\$15oxysilane \$7decyl\$15oxysilane \$5hexyl\$15oxysilane \$5heptyl\$16oxysilane alkyltrimethoxysilane OTES TFTS organoalkoxysilane alkoxysilane).clm. and device.clm.	US-PGPUB; USPAT	OR	ON	2006/04/05 16:00
S9	28	("20020160207" "20030157311" "20020020327" "20020098279" "20020155053" "20030091838" "20030104225" "20030064321" "4634509" "5707783" "5494859" "6037275" "6197913" "6313045" "6359096" "6376634" "6391999" "6413647" "6512071" "6533855" "6534025" "6596404" "6632489" "6639015" "6696538" "20050106376" "5849369" "5385955").did.	US-PGPUB; USPAT	OR	ON	2006/04/05 16:00
S10	104	("1205438" "1123753" "11246665" "1223192" "1245642" "06145599" "63015355" "09194298" "2000309751" "2000345041" "2000044875" "2001002993" "2001080915" "2001098218" "2001115201" "2001115028" "2001115029" "2001130911" "2001131479" "2001164186" "20012031970" "2001240798" "2001354904" "2001055554" "2002020688" "2002020689" "2002023354" "2002030249" "2002038090" "2000012640" "2003088344" "05125191" "2001049178" "2001049179").did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/05 16:00

Enter a Chemical Name, CAS Number, Molecular Formula or Weight.

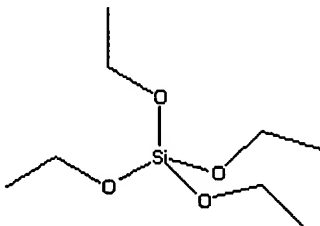
Use * for partial names (e.g. ben*).

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Search

tetraethyl orthosilicate [78-10-4]

Synonyms: Ethyl orthosilicate; Ethyl silicate; Silicic acid (H₄SiO₄), tetraethyl ester; TEOS; Tetraethoxysilane; tetraethyl orthosilicate; Tetraethyl ester silicic acid; Tetraethyl Silicate;



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Formula **C₈H₂₀O₄Si**CAS RN **78-10-4**ACX Number **X1000911-9**Density **0.94**

Refractive Index

Evaporation Rate

Flash Point (°C) **37**DOT Number **UN 1292 Flammable
Liquid**Comments **Colorless liquid with a
mild, sweet, alcohol-
like odor. MOISTURE
SENSITIVE.**Molecular Weight **208.3296**Melting Point (°C) **-77**Boiling Point (°C) **168**Vapor Density **7.2**Vapor Pressure **2**Water Solubility **Decomposes**

EPA Code

RTECS **VV9450000**

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Health (6)

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MSDS (1)

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Physical Properties (10)

[ABCR GmbH&Co KG](#)[Tetraethoxysilane, 98+%](#)[Tetraethyl orthosilicate](#)[Tetraethoxysilane, 99.9999% PURATREM, colorless liq.](#)[Tetraethoxysilane, min. 98%, colorless liq.](#)[Tetraethoxysilane](#)[Tetraethoxysilane, 99+% redistilled in quartz for low metal impurities](#)[Dielectric Constant Reference Guide](#)[NFPA Chemical Hazard Labels](#)[Information about this particular compound](#)[NIST Chemistry WebBook](#)[Information about this particular compound](#)[SPEKTR T.T.&T.](#)

Regulations (5)

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